

EAST SEARCH HISTORY									
HITS	QUERY	DATABASE							
	67 (eye adj (position or locat\$)) and (mouth adj (position or locat\$))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	2 ("6072892") PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	2 ("6151403") PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	2 ("6262574") PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	2 ("6292574") PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	26 ((integral or histogram) adj project\$5) and (eye and mouth)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	22 (histogram NEAR3 equal\$6) and (eye and mouth)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	11 (bayes\$ with (classif\$6 or cluster&4)) and (eye and mouth)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	259 (aspect adj ratio) and eye and 382 clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	250 (aspect adj ratio) and eye and 382 clas. and (detect\$6 or locat\$6 or track\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	12 ((aspect adj ratio) with eye) and 382 clas. and (detect\$6 or locat\$6 or track\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
	2 6044168 pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							

4-9-4

6	6181805	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
5	(aspect adj ratio) and eye and 382.clas. and (detect\$6 or locat\$6 or track\$5) and kinjo.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
1	(aspect adj ratio) and eye and 382.clas. and (detect\$6 or locat\$6 or track\$5) and naris	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
14	(bayes\$ same (classif\$6 or cluster&4)) and (eye and mouth)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
85	(bayes\$ with (classif\$6 or cluster&4)) and (eye)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
41	(bayes\$ with (classif\$6 or cluster&4)) and (eye) and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
43	(bayes\$ with (classif\$6 or cluster&4)) and (eye or iris or naris or nares) and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
27	(bayes\$ with (classif\$6 or cluster&4)) and (eye or iris or naris or nares) and (382.clas. or 345.clas.) and (not mammo\$7)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						

27	(US-5761070-\$ or US-5412738-\$ or US-5412563-\$ or US-5187658-\$ or US-5181259-\$ or US-4868883-\$ or US-6034697-\$ or US-6021383-\$ or US-5930803-\$ or US-5861891-\$ or US-5850470-\$).did. or (US-20040056907-\$ or US-20040008867-\$ or US-20030021448-\$ or US-20030016846-\$ or US-20020186882-\$ or US-20020159627-\$ or US-20020114495-\$ or US-20020106112-\$ or US-20030133599-\$ or US-20030128877-\$ or US-20030103665-\$ or US-20030086593-\$ or US-20030063779-\$ or US-20030059090-\$ or US-20030053663-\$ or US-20030030637-\$).did.	USPAT: US-PGPUB									
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27	(bayes\$ with (class\$6 or cluster&4)) and (eye or iris or naris or nares) and (382.clas. or 345.clas.) and ((US-5761070-\$ or US-5412738-\$ or US-5412563-\$ or US-5187658-\$ or US-5181259-\$ or US-4868883-\$ or US-6034697-\$ or US-6021383-\$ or US-5930803-\$ or US-5861891-\$ or US-5850470-\$).did. or (US-20040056907-\$ or US-20040008867-\$ or US-20030021448-\$ or US-20030016846-\$ or US-20020186882-\$ or US-20020159627-\$ or US-2002014495-\$ or US-20020106112-\$ or US-20030133599-\$ or US-20030128877-\$ or US-20030103665-\$ or US-20030086593-\$ or US-20030063779-\$ or US-20030059090-\$ or US-20030053663-\$ or US-20030030637-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
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8	(bayes\$ with (classif\$6 or cluster&4)) and (iris or naris or nares) and (382.clas. or 345.clas.) and ((US-5761070-\$ or US-5412738-\$ or US-5412563-\$ or US-5187658-\$ or US-5181259-\$ or US-4868883-\$ or US-6034697-\$ or US-6021383-\$ or US-5930803-\$ or US-5861891-\$ or US-5850470-\$).did. or (US-20040056907-\$ or US-20040008867-\$ or US-20030021448-\$ or US-20030016846-\$ or US-20020186882-\$ or US-20020159627-\$ or US-20020114495-\$ or US-20020106112-\$ or US-20030133599-\$ or US-20030128877-\$ or US-20030103665-\$ or US-20030086593-\$ or US-20030063779-\$ or US-20030059090-\$ or US-20030053663-\$ or US-20030030637-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
1338	((bottom or lower) with (section or half or halves)) same ((upper or top) same (section or half or halves))) and (face or eye or iris or nares or naris) and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				

771	((bottom or lower) with (half or halves)) same ((upper or top) same (half or halves))) and (face or eye or iris or nares or naris) and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
104	((bottom or lower) with (half or halves)) same ((upper or top) same (half or halves))) same (face or eye or iris or nares or naris) and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
0	(too adj many adj pixel) same cluster and (eye or iris or irises or irides)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
0	(dens\$5) same cluster and (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
0	(dens\$5) same cluster and (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
1	(number adj pixel) same cluster and (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
0	(quantity near pixel) same cluster and (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
0	((size) same cluster) and (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
3	((size) same cluster) and (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						

10	(number adj pixel) same (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
0	(cluster near size) and (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
1	(blob near size) and (eye or iris or irises or irides) and (382.clas. and 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
107	(maximum adj (size or number)) near (cluster or blob)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
4	(maximum adj (size or number)) near (cluster or blob) and image and eye	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
3	(maximum adj size) same (cluster or blob) and image and eye	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
68	(maximum adj size) same (cluster or blob) and image	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
15	((maximum adj size) same (cluster or blob) same pixel) and image	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
638	((size) same (cluster or blob) same pixel) and image	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
585	((size) same (cluster or blob) same (remove\$2 or invalid\$6 or filter\$5 or delet\$5)) and image	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
169	((size) same (cluster or blob) same (remove\$2 or invalid\$6 or filter\$5 or delet\$5)) and image and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							

169	(US-6668078-\$ or US-6687395-\$ or US-6701005-\$ or US-6707940-\$ or US-6122405-\$ or US-6137898-\$ or US-6167146-\$ or US-6181837-\$ or US-6188405-\$ or US-6205236-\$ or US-6208749-\$ or US-6236663-\$ or US-6246784-\$ or US-6249604-\$ or US-6269194-\$ or US-6301386-\$ or US-6324298-\$ or US-6340980-\$ or US-6345112-\$ or US-6351273-\$ or US-6353450-\$ or US-6363162-\$ or US-6389157-\$ or US-6393134-\$ or US-6407757-\$ or US-6421064-\$).did. or (US-6421122-\$ or US-6434261-\$ or US-6438261-\$ or US-6473524-\$ or US-6480279-\$ or US-6493082-\$ or US-6504546-\$ or US-6507670-\$ or US-6525732-\$ or US-6532302-\$ or US-6549646-\$ or US-6556696-\$ or US-6566699-\$ or US-6574377-\$ or US-6603491-\$ or US-6640015-\$ or US-6650766-\$ or US-6652959-\$ or US-6658143-\$ or US-6667783-\$ or US-6081612-\$ or US-6088018-\$ or US-6091841-\$ or US-6111975-\$ or US-6115488-\$ or US-6122397-\$ or US-6064384-\$).did. or (US-5483603-\$ or US-5491760-\$ or US-5557689-\$ or US-3670323-\$ or US-3993976-\$	USPAT; US-PGPUB					
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169 ((size) same (cluster or blob) same (remove\$2 or invalid\$6 or filter\$5 or delet\$5)) and ((US-6668078-\$ or US-6687395-\$ or US-6701005-\$ or US-6707940-\$ or US-6122405-\$ or US-6137898-\$ or US-6167146-\$ or US-6181837-\$ or US-6188405-\$ or US-6205236-\$ or US-6208749-\$ or US-6236663-\$ or US-6246784-\$ or US-6249604-\$ or US-6269194-\$ or US-6301386-\$ or US-6324298-\$ or US-6340980-\$ or US-6345112-\$ or US-6351273-\$ or US-6353450-\$ or US-6363162-\$ or US-6389157-\$ or US-6393134-\$ or US-6407757-\$ or US-6421064-\$).did. or (US-6421122-\$ or US-6434261-\$ or US-6438261-\$ or US-6473524-\$ or US-6480279-\$ or US-6493082-\$ or US-6504546-\$ or US-6507670-\$ or US-6525732-\$ or US-6532302-\$ or US-6549646-\$ or US-6556696-\$ or US-6556699-\$ or US-6574377-\$ or US-6603491-\$ or US-6640015-\$ or US-6650766-\$ or US-6652959-\$ or US-6658143-\$ or US-6667783-\$ or US-6081612-\$ or US-6088018-\$ or US-6091841-\$ or US-6111975-\$ or US-6115488-\$ or US-6122397-\$ or US-6064384-\$).did. or (US-	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB					
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92	((size) same (cluster or blob) same (remove\$2 or invalid\$6 or filler\$5 or delet\$5)) and ((US-6668078-\$ or US-6687395-\$ or US-6701005-\$ or US-6707940-\$ or US-6122405-\$ or US-6137898-\$ or US-6167146-\$ or US-6181837-\$ or US-6188405-\$ or US-6205236-\$ or US-6208749-\$ or US-6236663-\$ or US-6246784-\$ or US-6249604-\$ or US-6269194-\$ or US-6301386-\$ or US-6324298-\$ or US-6340980-\$ or US-6345112-\$ or US-6351273-\$ or US-6353450-\$ or US-6363162-\$ or US-6389157-\$ or US-6393134-\$ or US-6407757-\$ or US-6421064-\$).did. or (US-6421122-\$ or US-6434261-\$ or US-6438261-\$ or US-6473524-\$ or US-6480279-\$ or US-6493082-\$ or US-6504546-\$ or US-6507670-\$ or US-6525732-\$ or US-6532302-\$ or US-6549646-\$ or US-6556696-\$ or US-6556699-\$ or US-6574377-\$ or US-6603491-\$ or US-6640015-\$ or US-6650766-\$ or US-6652959-\$ or US-6658143-\$ or US-6667783-\$ or US-6081612-\$ or US-6088018-\$ or US-6091841-\$ or US-6111975-\$ or US-6115488-\$ or US-6122397-\$ or US-6064384-\$).did. or (US-	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
116	((cluster or blob) adj size) and pixel and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						

1	(k?means adj clustering) or (k adj means adj clustering) and (eye or iris or irides) and 382.clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
4	(k?means adj clustering) or (k adj means adj clustering) and 382.clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
3	(morphological adj smooth\$5) and face	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
64	(morphologic\$5 with smooth\$5) and face	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
42	(morphologic\$5 with smooth\$5) and face and threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
43	(morphologic\$5 with smooth\$5) and face and threshold\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
11	(morphologic\$5 with smooth\$5) and face and threshold\$5 and mask	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
19	(US-6711587-\$ or US-5850470-\$ or US-5930803-\$ or US-5412738-\$ or US-5859921-\$ or US-6332038-\$ or US-6717518-\$ or US-6151403-\$ or US-6072892-\$ or US-6028960-\$ or US-6031539-\$ or US-6181805-\$ or US-6526161-\$ or US-6633655-\$).did. or (US-20020159627-\$ or US-20020118873-\$ or US-20020136450-\$ or US-20010014182-\$ or US-20030021448-\$).did.	USPAT; US-PGPUB							

3	((US-6711587-\$ or US-5850470-\$ or US-5930803-\$ or US-5412738-\$ or US-5859921-\$ or US-6332038-\$ or US-6717518-\$ or US-6151403-\$ or US-6072892-\$ or US-6028960-\$ or US-6031539-\$ or US-6181805-\$ or US-6526161-\$ or US-6633655-\$).did. or (US-20020159627-\$ or US-20020118873-\$ or US-20020136450-\$ or US-20010014182-\$ or US-20030021448-\$).did.) and midpoint	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
4	(eye adj (position or locat\$)) and (mouth adj (position or locat\$)) and midpoint	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
207	(top or upper) and (bottom or lower) and midpoint and face and boundary and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
23	((top or upper) and (bottom or lower) same midpoint) and face and boundary and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
15	((top or upper) same (bottom or lower) same midpoint) and face and boundary and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
19	((top or upper) same (bottom or lower) same midpoint) and (object same boundary) and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						

19	(US-6181805-\$ or US-6031539-\$ or US-6028960-\$ or US-6072892-\$ or US-6151403-\$ or US-6717518-\$ or US-6332038-\$ or US-6711587-\$ or US-5850470-\$ or US-5412738-\$ or US-5859921-\$ or US-5930803-\$ or US-6526161-\$ or US-6633655-\$).did. or (US-20020159627-\$ or US-20020136450-\$ or US-20020118873-\$ or US-20010014182-\$ or US-20030021448-\$).did.	USPAT; US-PGPUB						
15	((US-6181805-\$ or US-6031539-\$ or US-6028960-\$ or US-6072892-\$ or US-6151403-\$ or US-6717518-\$ or US-6332038-\$ or US-6711587-\$ or US-5850470-\$ or US-5412738-\$ or US-5859921-\$ or US-5930803-\$ or US-6526161-\$ or US-6633655-\$).did. or (US-20020159627-\$ or US-20020136450-\$ or US-20020118873-\$ or US-20010014182-\$ or US-20030021448-\$).did.) and mouth	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						

15	(US-5412738-\$ or US-5850470-\$ or US-6028960-\$ or US-6031539-\$ or US-6072892-\$ or US-6151403-\$ or US-6181805-\$ or US-6332038-\$ or US-6526161-\$ or US-6633655-\$ or US-6711587-\$ or US-6717518-\$).did. or (US-20010014182-\$ or US-20020159627-\$ or US-20030021448-\$).did.	USPAT; US-PGPUB						
9	((US-5412738-\$ or US-5850470-\$ or US-6028960-\$ or US-6031539-\$ or US-6072892-\$ or US-6151403-\$ or US-6181805-\$ or US-6332038-\$ or US-6526161-\$ or US-6633655-\$ or US-6711587-\$ or US-6717518-\$).did. or (US-20010014182-\$ or US-20020159627-\$ or US-20030021448-\$).did.) and ratio	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
53	ratio same mouth same eye and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
98	4975969	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
2	4975969 pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
44265	(mouth near4 (size or length)) same (eye) adn (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						
20	((mouth near4 (size or length)) same (eye)) and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB						

3 ((relative near size) with mouth) same eye and (382.clas. or 345.clas.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB								
3 ((relative near size) with mouth) same eye	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB								
90 ratio same mouth same eye	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB								

53	(US-4975969-\$ or US-5008946-\$ or US-5224173-\$ or US-5570434-\$ or US-5808624-\$ or US-5828413-\$ or US-5835616-\$ or US-5850463-\$ or US-5867588-\$ or US-5926575-\$ or US-6009210-\$ or US-6697502-\$ or US-6657628-\$ or US-6639600-\$ or US-6633655-\$ or US-6611613-\$ or US-6542625-\$ or US-6496594-\$ or US-6492990-\$ or US-6389155-\$ or US-5625704-\$ or US-5659625-\$ or US-5781650-\$ or US-5805745-\$ or US-6332038-\$ or US-6128398-\$).did. or (US-6108437-\$ or US-6031539-\$ or US-6016148-\$).did. or (US-20040041804-\$ or US-20040027352-\$ or US-20030223622-\$ or US-20030222891-\$ or US-20030198368-\$ or US-20020176609-\$ or US-20020135618-\$ or US-20020076100-\$ or US-20020033825-\$ or US-20020031262-\$ or US-20020018595-\$ or US-20020009214-\$ or US-20010031073-\$ or US-20010014182-\$ or US-20030169906-\$ or US-20030165270-\$ or US-20030165269-\$ or US-20030161537-\$ or US-20030146921-\$ or US-	USPAT: US-PGPUB					
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37/ (ratio same mouth same eye) and (not ((US-4975969-\$ or US-5008946-\$ or US-5224173- \$ or US-5570434-\$ or US- 5808624-\$ or US-5828413-\$ or US-5835616-\$ or US- 5850463-\$ or US-5867588-\$ or US-5926575-\$ or US- 6009210-\$ or US-6697502-\$ or US-6657628-\$ or US- 6639600-\$ or US-6633655-\$ or US-6611613-\$ or US- 6542625-\$ or US-6496594-\$ or US-6492990-\$ or US- 6389155-\$ or US-5625704-\$ or US-5659625-\$ or US- 5781650-\$ or US-5805745-\$ or US-632038-\$ or US- 6128398-\$).did. or (US- 6108437-\$ or US-6031539-\$ or US-6016148-\$).did. or (US- 20040041804-\$ or US- 20040027352-\$ or US- 20030223622-\$ or US- 20030222891-\$ or US- 20030198368-\$ or US- 20020176609-\$ or US- 20020135618-\$ or US- 20020076100-\$ or US- 20020033825-\$ or US- 20020031262-\$ or US- 20020018595-\$ or US- 20020009214-\$ or US- 20010031073-\$ or US- 20010014182-\$ or US- 20030169906-\$ or US- 20030165270-\$ or US- 20030165269-\$ or US- 20030161537-\$ or US-	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB					
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37	(US-6594629-\$ or US-6567775-\$ or US-6321108-\$ or US-6251525-\$ or US-6241669-\$ or US-6219640-\$ or US-6055032-\$ or US-4624499-\$ or US-4692125-\$ or US-5213333-\$ or US-6638073-\$ or US-6623937-\$ or US-5340821-\$ or US-5679541-\$ or US-5710590-\$ or US-5733539-\$ or US-5763102-\$). did. or (US-20040011496-\$ or US-20030193582-\$ or US-20030160879-\$ or US-20030156304-\$ or US-20020004221-\$ or US-20010007054-\$). did. or (JP-60054634-\$ or JP-11168620-\$ or JP-411347010-\$ or JP-2000262592-\$ or JP-2001292305-\$ or JP-2002360544-\$ or JP-2002360544-\$). did. or (RU-2005412-\$ or US-5835616-\$ or RU-2121342-\$ or WO-200056265-\$ or KR-2000063919-\$ or KR-2003013722-\$ or US-6539099-\$). did.	USPAT; US-PGPUB; JPO, DERWENT					
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14	(US-6594629-\$ or US-6567775-\$ or US-6321108-\$ or US-6251525-\$ or US-6241669-\$ or US-6219640-\$ or US-6055032-\$ or US-4624499-\$ or US-4692125-\$ or US-5213333-\$ or US-6638073-\$ or US-6623937-\$ or US-5340821-\$ or US-5679541-\$ or US-5710590-\$ or US-5733539-\$ or US-5763102-\$).did. or (US-20040011496-\$ or US-20030193582-\$ or US-20030160879-\$ or US-20030156304-\$ or US-20020004221-\$ or US-20010007054-\$).did. or (JP-60054634-\$ or JP-11168620-\$ or JP-411347010-\$ or JP-2000262592-\$ or JP-2001292305-\$ or JP-2002360544-\$ or JP-2002360544-\$).did. or (RU-2005412-\$ or US-5835616-\$ or RU-2121342-\$ or WO-200056285-\$ or KR-2000063919-\$ or KR-2003013722-\$ or US-6539099-\$).did.) and (ratio same mouth same eye)	USPAT; US-PGPUB; JPO; DERWENT					
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37	(ratio same mouth same eye) and ((US-6594629-\$ or US- 6567775-\$ or US-6321108-\$ or US-6251525-\$ or US- 6241669-\$ or US-6219640-\$ or US-6055032-\$ or US- 4624499-\$ or US-4692125-\$ or US-5213333-\$ or US- 6638073-\$ or US-6623937-\$ or US-5340821-\$ or US- 5679541-\$ or US-5710590-\$ or US-5733539-\$ or US- 5763102-\$).did. or (US- 20040011496-\$ or US- 20030193582-\$ or US- 20030160879-\$ or US- 20030156304-\$ or US- 20020004221-\$ or US- 20010007054-\$).did. or (JP- 60054634-\$ or JP-11168620- \$ or JP-411347010-\$ or JP- 2000262592-\$ or JP- 2001292305-\$ or JP- 2002360544-\$ or JP- 2002360544-\$).did. or (RU- 2005412-\$ or US-5835616-\$ or RU-2121342-\$ or WO- 200056265-\$ or KR- 2000063919-\$ or KR- 2003013722-\$ or US-6539099- \$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB					
1	(US-20010014182-\$).did.	US-PGPUB					
1	((bottom or lower) with (section or half or halves)) same ((upper or top) same (section or half or halves))) and ((US-20010014182- \$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB					
1	(middle or midpoint) and ((US- 20010014182-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB					

EAST SEARCH TAGGED

patent #	type	pub date	title	class1	class2	inventor		
US 20030021448 A1	US-PGPUB	20030130	Method for detecting eye and mouth positions in a digital image	382/117	382/165	Chen, Shoupu et al.		
US 20010014182 A1	US-PGPUB	20010816	IMAGE PROCESSING APPARATUS	382/282		FUNAYAMA, RYUJI et al.		
US 6633655 B1	USPAT	20031014	Method of and apparatus for detecting a human face and observer tracking display	382/118	382/164; 382/165; 382/174; 382/206	Hong, Qi He et al.		
US 6526161 B1	USPAT	20030225	System and method for biometrics-based facial feature extraction	382/118	382/154; 382/199	Yan, Yong		
US 6181805 B1	USPAT	20010130	Object image detecting method and system	382/118		Koike, Hideki et al.		
US 6031539 A	USPAT	20000229	Facial image method and apparatus for semi-automatically mapping a face on to a wireframe topology	345/419		Kang, Sing Bing et al.		
US 6028960 A	USPAT	20000222	Face feature analysis for automatic lipreading and character animation	382/203	382/100; 382/118; 382/165	Graf, Hans Peter et al.		
US 6072892 A	USPAT	20000606	Eye position detecting apparatus and method therefor	382/117	382/118	Kim, Seong-Beom		
US 6151403 A	USPAT	20001121	Method for automatic detection of human eyes in digital images	382/117	382/118; 382/209; 382/219; 382/274; 382/308	Luo, Jiebo		
US 6717518 B1	USPAT	20040406	Method and apparatus for detection of drowsiness	340/576	348/143; 382/117	Pirim, Patrick et al.		

US 6332038 B1	USPAT	20011218	Image processing device	382/190	348/135; 348/169; 348/171; 382/103; 382/107; 382/118; 382/203; 382/205; 382/286; 382/288; 382/298	Funayama, Ryuji et al.			
US 6711587 B1	USPAT	20040323	Keyframe selection to represent a video	707/104.1	707/6	Dufaux, Frederic			
US 20020159627 A1	US-PGPUB	20021031	Object finder for photographic images	382/154		Schneiderman, Henry et al.			
US 5850470 A	USPAT	19981215	Neural network for locating and recognizing a deformable object	382/157	382/116; 382/117; 382/118; 382/159; 706/20; 706/25	Kung, Sun-Yuan et al.			
US 5412738 A	USPAT	19950502	Recognition system, particularly for recognising people	382/115	382/209; 704/231; 704/235; 704/246	Brunelli, Roberto et al.			
US 20020136450 A1	US-PGPUB	20020926	Red-eye detection based on red region detection with eye confirmation	382/165		Chen, Tong-Xian et al.			
US 5859921 A	USPAT	19990112	Apparatus for processing an image of a face	382/118	382/171; 382/173; 382/257	Suzuki, Hiroyoshi			
US 5930803 A	USPAT	19990727	Method, system, and computer program product for visualizing an evidence classifier	707/104.1	345/804; 707/100	Becker, Barry G. et al.			
US 20020118873 A1	US-PGPUB	20020829	Machine vision-based singulation verification system and method	382/143		Tran, Don et al.			